

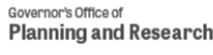
# Carbon Neutrality Studies Workshop, November 13, 2019

Bakersfield, CA (Bakersfield College)

SUMMARY REPORT

## Vehicle Emissions and Fossil Fuel Demand and Supply Studies

Second Public Workshop  
November 13, 2019



## Agenda

- Opening, Facilitators
- Welcome, Norma Roja-Mora,  
Bakersfield College
- Purpose of Meeting, Kate Gordon,  
Director, Governor's Office of Planning and Research
- Small Group Discussion
- Closing and Evaluation, Facilitators

## California Emissions Policies

- California employs numerous policies and actions to meet air pollution and climate-changing emissions goals
- The state's economy continues to grow faster than the US average
- Policies address:
  - Emissions monitoring and reporting
  - Industrial emissions and electricity generation
  - Vehicle technology and fuel technology
  - Amount of driving ("Vehicle Miles Traveled") and transportation systems
  - Consumer products
- Equity, sustainability, and resilience underscore all efforts

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## Vehicle Emissions and Fossil Fuel Demand and Supply Studies

- The Budget Act of 2019 authorizes studies of strategies to reduce vehicle emissions and to decrease the demand and supply of fossil fuels
- Significant research and policy development and implementation is complete or underway
- We want your ideas on strategies and topics of inclusion for these studies

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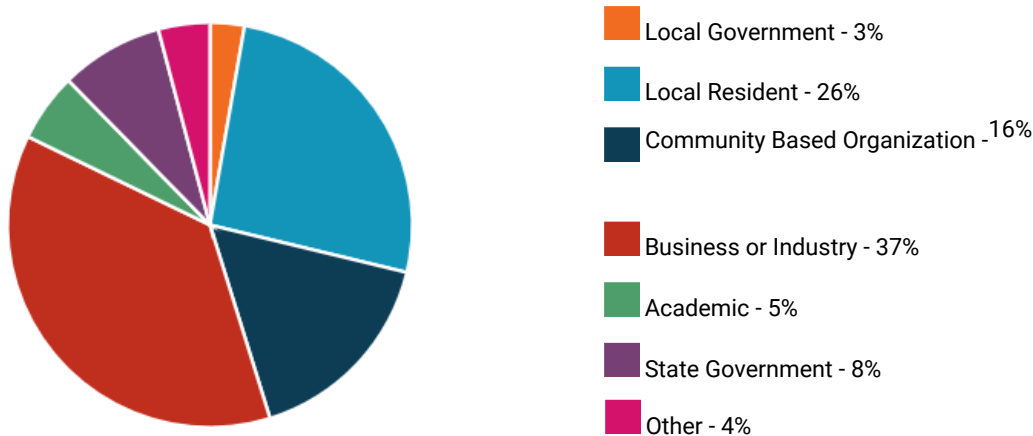
# Related State Efforts

- [California Energy Commission: Senate Bill 100 Joint Agency Report](https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/joint-agency-report-sb-100)  
https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/joint-agency-report-sb-100
- [Department of Transportation: California Transportation Plan 2050](https://dot.ca.gov/programs/transportation-planning/california-transportation-plan-2050)  
https://dot.ca.gov/programs/transportation-planning/california-transportation-plan-2050
- [California Energy Commission: Low-Income Barriers Study, Part A \(SB 350\)](https://ww2.energy.ca.gov/sb350/barriers_report/)  
https://ww2.energy.ca.gov/sb350/barriers\_report/
- [California Air Resources Board: Low-Income Barriers Study, Part B \(SB 350\)](https://ww2.arb.ca.gov/resources/documents/carb-barriers-report-final-guidance-document)  
https://ww2.arb.ca.gov/resources/documents/carb-barriers-report-final-guidance-document
- [California's Sustainable Communities and Climate Protection Act \(SB 150\) Progress Report](https://ww2.arb.ca.gov/resources/documents/tracking-progress)  
https://ww2.arb.ca.gov/resources/documents/tracking-progress
- [Opportunities for Additional Reductions from Petroleum Transportation Fuels, Workshop Summary](https://ww3.arb.ca.gov/cc/scopingplan/meetings/082018/august-20-2018-ghg-workshop-summary.pdf)  
https://ww3.arb.ca.gov/cc/scopingplan/meetings/082018/august-20-2018-ghg-workshop-summary.pdf
- California Workforce Development Agency: Jobs, Equity, and California Climate Policy Report (AB 398) (Under development)
- [California Air Resources Board: Scoping Plan](https://ww3.arb.ca.gov/cc/scopingplan/scopingplan.htm)  
https://ww3.arb.ca.gov/cc/scopingplan/scopingplan.htm

# Potential themes for study work

- Opportunities and benefits, risks and challenges
- State and local partnerships, and current work at the local level
- Recent and ongoing research
- Strategies to reduce vehicle emissions and the demand and supply of fossil fuels
- Sustainable and equitable economic transitions
- Land use and transportation systems policies
- Health and environmental impacts
- Opportunities for early action

## I represent



Participants were asked who they represented. Three % were local government; 26% were local residents; 16% were community based organizations, 37 % were business or industry; 5% were academics; 8% were state government and 4 % were other.

## Share one thing you are hopeful about tonight - at this workshop

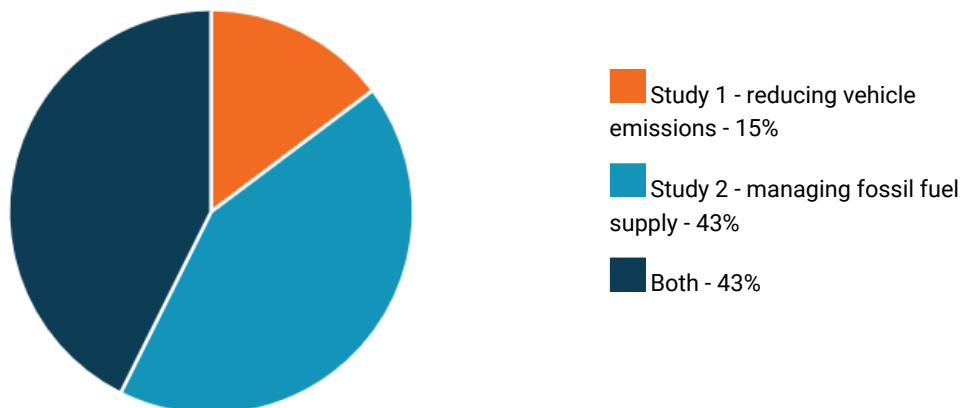
### Participant Input

- Finally having the conversation
- That there is a plan for transition
- Develop guidelines to direct both demand and supply towards meeting goals by 2045
- A clear message that the oil industry will not exist in Kern County by 2045.
- Finally the conversation.
- ensure that the supply study is well thought out, balanced, inclusive of existing peer reviewed research, and its formation is transparent
- Looking for what works or can work
- Interested to hear from people
- Scope and a few details of studies
- I am hopeful the state regulators actually listen to industry and take a more pragmatic view towards energy and emissions.
- The state understanding how important oil and gas is to everyday life for all Californians.
- Let the crowd know this plan is a death blow to Bakers eld
- Tennis la platc
- How would 24million vehicles suddenly transition to zero-emission, and what happens to those vehicles
- Interested to hear from people
- Listening to one another
- Meaningful collaboration across business, industry, community, environmental, and social justice groups.
- Fossil Fuel means it took many millions of years to produce, and when it's gone, you can't go buy more at Walmart.
- Los caminos necesarios para reducir
- Understanding the direction the state is taking and the issues.
- Here about what state knows about trends and potential solutions
- Chance to let Sacramento know how worried we are in Kern about just changes
- Interested to hear from people; listening to others
- There is nothing specific discussed to this point. Presentation is a broad brush
- A recognition of the reality of every day lives of Californians versus a pie in the sky idealism.
- Future keen county
- Recognize the importance of hydrogen power
- To learn how we are going to pay for this
- I recognize a lot of responsible and educated business people in the room. My hope is the regulators listen to them.
- What assurance can be made that electric cars will be rollable enough and will travel far enough that they can realistically replace gas?
- Appreciate Kern County's contribution towards energy independence in both petroleum and renewable sectors
- To establish practical goals and measures
- Understanding of caepas position
- Que las leyes realmente tomen acción en proteger el medio ambiente
- Who's going to buy my vehicle once useless and buy me a replacement
- Come reducir emisiones del transporte publico
- That the scope of the study will also examine the environmental impacts associated with alternative fuels.

- That the State understands how important oil and gas is for every Californian.
- Hope for open minded interchange
- How will we achieve great air quality
- See this as an opportunity to benefit the region and local workforce. Invest in Kern County.
- Pensions for county employees after 25 years
- Would like the study to include technical input from California energy producers
- Have you looked into how lithium is mined? It isn't a solution
- Concerned about unintended consequences
- Will public transportation take me camping

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## Which study do you most want to discuss?



Participants were asked which study they were most interested in discussing. 15% were interested in Study 1- reducing vehicle emissions; 43% were interested in Study 2 - managing fossil fuel supply and 43% were interested in both.

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## What are some ways this study could not be successful?

### Participant Input

Bias towards environmentalists  
So much help from far away  
If not everyone is NOT at the table  
Forgetting that petroleum products can be used for many important jobs without burning them.  
Leaving people behind goals can't be met  
Not sufficient partnerships and buy-in between labor and community. Need to see this as an opportunity for a win-win solution.  
Waiting to hear about Hydro power at nuclear power  
Que las compañías productoras de contaminación se apoderen de manejar este estudio  
Only include favorable information  
Discounting the importance of industry's economic impact to Kern County  
The issue isn't success but the credibility of the product & process. Dissenting views should be considered & studied a la EIR alternatives.  
If the state becomes Big Brother to control supply and demand. What happened to the free market?  
Importing energy out of state at the deference to California native energy  
Not listening to local issues  
Any community could answer these questions Kern County is not significant to the questions  
Not reducing demand and increase supply from foreign sources  
Not being specific enough of what are realistic short and medium term goals  
Not taking into account that this is a global issue.  
How is all goods imported, and manufactured abroad  
Not thinking about jobs  
By not recognizing fossil fuel production in Cali is the cleanest in the world and pushing demand signal to less clean areas  
How do I retire on a fixed income after a huge increase in energy costs  
Lowering supply will only increase imports from foreign sources  
If the survey questions are skewed  
2 y 4  
Discussion hogs

Everything.  
 You create fear and panic.  
 Sudden decisions without all facts  
 Not working with the private sector  
 If it's not realistic  
 If the state has already reached a conclusion on a desired outcome  
 152,000 lost jobs  
 Predetermined conclusions  
 The study is scoped with a pre-determined outcome  
 You act like the government, California in particular.  
 Too much anger about change closed minds to change  
 Climate change politics scaring her children  
 Counting jobs without thinking about what kinds of jobs  
 Not realistic  
 Oil company propaganda  
 Clouding the discussion with bias  
 More people move to Texas  
 lobbyists for short term nancial gain  
 Over reacting  
 Not listening  
 Factions not being open minded  
 Not appropriate time frame  
 Not honest realistic discussion  
 Account for other factors like SGMA  
 Not acted upon by fact  
 Political bias that ignores science  
 More homeless  
 Que no se tome ninguna acción  
 1.7 billion dollars in revenues lost in Kern if fossil fuels were taken  
 Being driven by emotion and not data  
 The State not listening to the central valley  
 Pre-determines outcomes; lack of transparency; failure to utilize existing peer reviewed  
 research  
 Bias towards oil industry and against environmental concerns  
 Document that sits on shelf; alienating part of state population  
 Hidden political agendas  
 Too ambitious without benchmarks  
 Not honest realistic discussion  
 California ignoring industry concerns and doing what they are going to do regardless of  
 input.  
 Goals not attainable  
 An average income of 80k a year  
 People not believe we can get new union jobs are possible  
 Moving forward even after the study says the goal is undoable  
 Disruptive participants in the room  
 Dues not take into account future technological trends  
 Underestimating the demand for petroleum  
 Activist propaganda  
 Batteries are not a reliable solution  
 Money from O&G slowing down any change  
 Too many looking backwards for solutions to tomorrow's problems  
 No plans to replace oil in the kern county economy – further impoverishing an already  
 impoverished county  
 Failure to embrace the MANY drivers that support our lifestyle; extends WAY beyond  
 climate considerations  
 No longer able to enjoy desert/mountain exploring, given no public transportation  
 These topics are not relevant to how our lives will be impacted by these kaws  
 Not building energy transition into an industrial policy strategy

## Small Group Discussion

### 3 "Rounds" of Discussion

- Bring your discussion guide with you

### How to comment

- Agency note taker at each table
- Notes from butcher paper
- Meeting sift instant polling
- Your handout (if desired)
- Email (by Nov 22)

## Directions for Small Group Discussion

'Vote with  
your feet'  
to  
questions  
of greatest  
interest

You can  
switch  
groups at  
any time

We will tell  
you when  
to switch

Please share 1 or 2 take-aways from your conversation

### Participant Input

- We are stuck on electricity and ignoring hydrogen
- Queremos que nos cumplan aire limpio por fav
- Education and Sustainability
- I wrote them on the table
- The oil industry in Kern County supports so many jobs that the transition to zero emissions will create turmoil unless a plan is adopted
- Lots of ideas shared there is so much to know
- That the state is only interested in manipulating markets for idealistic purposes
- 2 hours is not enough for this topic.
- Need more than 3 meetings
- We are ready to move forward with our communities. We need to move fast



- We can not forget to include the small low income communities in this transition. They are the most impacted by this effort.
- The biggest issue is vehicle emissions, not the oil industry
- We need to address demand, and focus on emissions from vehicles
- This will grow our government even further and bloated then it already is
- Reducción de emisiones
- There's a lot of reasonable people with realistic opinions in the room, and I'm afraid the state will ignore them all.
- As long as there is demand, we need a local supply
- Change is coming complaining about is less productive than preparing for it
- California is trying to achieve socialism/communism
- Need Reserach on new energy sources, education & job retraining
- Kern's economic sectors are interconnected and important to the entire state - study should address how transition impact Ag & goods mvmnt
- A crude slate ESG standard is needed so as crude imports are increased people in other countries don't suffer
- This is not representative of California Rather a select few "elites"
- Lifestyle changes (transportation, housing) must have highest priority be
- The state is pursuing a fantasy as opposed to building a real workable plan.
- Nothing business does will have as much impact as personal behavior choices. We should look at individuals, not business
- California should concentrate on reducing foreign oil supply before reducing domestic California supply ( currently only 31%)
- we need to invest in long term sustainability and not in short term financial gain for a few.
- CA should be upfront that these goals mean tremendous social change but it will be worth it.
- Economic networks allow people to adjust to change better
- California has a plan to destroy huge numbers of jobs in Kern county but I didn't hear one idea for alternative jobs
- Glad to sit and talk with folks who don't share my opinion but have my respect
- The studies should focus on science and not philosophy
- Socialism
- This will affect real people not just "workers"
- Take into consideration the communities and their health who are affected from emissions
- Our rural communities want be inclusive
- Solo que las autoridades tienen k hacer más y poner mas dinero para mejorar la contaminación .
- Shared Some opinions got some perspective
- Are the study guidelines, such as the 2045 deadline, subject to revision
- Include more regular citizens in the policy making
- Global energy justice
- Good experience
- More options on where to live and how to move about allows for more efficient lifestyle choices
- There is currently no replacement for oil that provides all it's benefits
- prepare for the social impacts of change.
- Que ayuden alas universidades instruir a los universitarios en esta nueva etapa

## Anything missing from guiding principles?

### Participant Input

#### Reality

The whole process violates the common combine principles of subsidiarity in solidarity  
top down doesn't work

This is a global issue

The need to consider the social impact globally due to adding demand to unethical oil regimes abroad

Yes. How do you achieve these goals without handicapping the state in the national and global economies

It should clearly state this is just another social justice initiative

Creo casi todo y lo que le falta es la accion

Need to prioritize criteria pollution in short term over GHG reductions to immediately improve health

Non-hydrocarbon fuels are not affordable nor accessible

The state needs to be fully honest that this will cause huge social upheaval and change in everyone's life, and not for the better.

Factoring in the impact of climate change on the process

Include research representatives from the various energy sectors in California

The main issue is how it will impact all of California and our competitiveness globally and within the United States

Education, at all levels and ages, must be the guiding principle

When will we spend the bond money for Hydro power which doesn't put out greenhouse gases

I want to see the plan to minimize emission leakage beyond the border

Impacts of transition alternatives - for example how biological, habitat land use impacts of more solar generation to power electricity.

Compensar y actuar

End combustion and share the wealth.

Be upfront w winners and losers

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education is the key

Solar and wind power has a carbon footprint

How technology will force change so how to take advantage of making the next economies more sustainable

## How can we ensure study results are accessible?

### Participant Input

On a website

We can't

We thought you were already promised that

Give communities adequate notice for meetings

Make it a PDF, available online, and in Spanish!

Various languages

Publish them online in an easy to find and we'll publicized place.

Ensure public posting electronically and paper postings at small regional community centers

10+ meetings with larger meeting rooms

Interactive website

Make the language easy to understand less legal jargon for example

Social media

Use social media to get the word out

Soc. Media

Website, newspapers public tv and radio

More meetings

That the results inform all sectors of the economy so that the change gets built into the choice we create

Allow input during the scope phase

Cal epa

Meetings throughout study

For me an interactive product as opposed to a tome of written summaries. Info graphics with the ability to drill down into data.

Present the conclusions in such a way that all can understand and create community outreach

## How can we ensure study results are transformative?

### Participant Input

Define transformative

A successful road map

Incentivize free enterprise and get the government out-of-the-way

Everyone needs to be at the table.

Allow multiple sets of solutions one size won't fit all

That they help lower the cost of sustainable economies

Layout a timeline for implementation so people know what is coming

Benchmarks

Define transformative up front-does this mean only electricity?

Make realistic, fact based recommendations

Implement what's being proposed it sure as heck will transform lives like no one can even anticipate.

Don't sacrifice consumer choice; incentivize don't mandate

Focus on real, measurable behaviors that can be implemented and measured. Provide definitions and examples

Tomando en cuenta las propuestas de la comunidad

I don't think they will be

Make it so the everyday citizen can understand it and the long term repercussions

Put electric vehicles into the hands of low income residents now.

You can't there have been many other studies on carouse topics and can you tell me 5 that made a lasting impact

Hold more meetings, hearings,

Using fact based evidence

Not everyone will read or interpret the study results the same way.

Model results and determine the critical factors

Fund application of recommendations.

Follow study w/action plans involving local/regional stakeholders. Provide resources to those stakeholders to be at the table & do the work.

More involved community leaders and minorities

Integrate all the solutions in a measured manner

Transparency, easy public access constant public meetings with impacted communities.

Involving communities in transformative action.

Full life cycle analysis for electric vehicles solar and wind

Have solutions for big cities and for rural areas that are fit for purpose

Implement what's being proposed and it sure as heck will transform lives like no one can even anticipate.

That the study reflects the stages of how new technologies are adopted

Shame all of our elected officials if necessary to get them to come to these meetings and lead. Appreciation for those who are here.

Give consumers models and guidelines as to have each individual can have a role in attaining a lifestyle that matches the goals

Won't be transformative if leave people behind and larger # of losers over winners

#KernTermLimits

Allow for consumer choice

Ask for help

More involved town leaders and minorities, subsidize alternative energy

Do a case study. Create a community that is zero carbon, Santa Barbara perhaps then study the failure.

# Closing

## Moving forward, types of engagement by CalEPA and other State agencies would be helpful?

### Participant Input

Include industry

Meetings, updates, and opportunities to provide input throughout the development of the study

Meet with specific industry groups that meet the project goals

Yes

Research

Reach out to subject matter experts

Lots of community outreach.

Community forums at various locations

Anything where you actually listen to the Central Valley.

Many more interactive meeting; have meetings targeted at teenagers and college students

Meetings more appropriately sized in venue and duration for the topic

PGE? They have it figured out

Keep public informed and continue to seek input

engage with local experts in the field

Meetings at primary and high schools senior centers etc

CalEPA should move to Bakers field.

Additional local stakeholder meetings - including smaller round tables with biz, EJ, SJ, labor and other stakeholders.

Include workers and unions

Teniendo más juntas con las comunidades y mostrar lo que están haciendo

I am willing to volunteer my technical knowledge if there is a way

Need more real low-income people involved

Si con disponibilidad a cambiar la situación del cambio climático y más aquí en esta area

Actually listen to what we have to say! Not answer your silly questions

Asking the private sector for their help

More help from Sacramento in Kern

Hold more meetings, hearings, have to be transparent

Work with Department of Education to develop standards of knowledge of the issue at each grade level

Community outreach, work with local community groups

Surveys in utility bills or web sites

In the era of the facts of science is a left wing conspiracy teach more science

Know what to do with the thousands of family's that will be put out of work

Por medio de juntas

Constant public meetings with impacted communities

Involve schools with helping to achieve goals through service learning projects

Easy online access

## What would have made this meeting more useful to you?

duration: 00:01:42

### Participant Input

Don't use this format

Larger room

Larger space (it got a little cramped/noisy)

More tables

Larger room is needed

Larger room more rotations

Snacks and refreshments

This format is helpful

Longer open forum session

Use a mic

It is hard to know who is in the room to be able to collaborate with all experiences

A better structure. Allow all public comment in a town hall format prior to answering targeted questions

Give Proctors timing instruments so few people don't dominate conversation

Didn't allow us to express ourselves let them

The facilitation at the tables wa excellent by the various agency members

More community, rural community presence. Outreach.

Maybe try a variety of formats for future meetings?

Know what to do with the family's without jobs

I thought syft was a really effective way to gather input

## Next steps

- How can we ensure the results of the studies are accessible and transformative?
- What engagement would you like with the process?
- What key questions should we be considering?
- Latest information, including subsequent public meetings:  
<https://calepa.ca.gov/climate/carbon-neutrality-studies/>
- **Written comments due November 22, 2019.** E-mail to [climatechange@calepa.ca.gov](mailto:climatechange@calepa.ca.gov)